DETAILED ACTION

Response to Arguments

1.   Applicant's arguments with respect to claim 1-34 have been considered but are

moot in view of the new ground(s) of rejection.

2.   Amendments to claims 20-26 and 32-34 have been acknowledge.

Claim Rejections - 35 USC § 103

3.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

4.   **Claims 1-37** are rejected under 35 U.S.C. 103(a) as being unpatentable over

Roth et al. (US Patent Number 6,738,152 B1) in view of Chien et al. (US Publication

Number 2002/0066021 A1) and in further in view of Housel (US Publication Number

2002/0114003 A1).

Regarding **Claim 1**, Roth'152 shows a method for controlling a manufacturer

system that includes a print mechanism normally used in a document printer **(i.e., a**

print manager controls a system ((printing system)) using application

programming interfaces where depending on the print services requested by the

client a user interface is used. See Column 1, Lines 8-11, 42-45 and 49-65).

Roth'152 fails to show a method, intercepting a call requesting presentation of a

standard user interface of the collecting data that defines how to modify the user

interface; and facilitating presentation of a modified user interface that has been modified to include content necessitated.

Chien'021 teaches a method, intercepting a call requesting presentation of a standard user interface of the collecting data that defines how to modify the user interface **(i.e., the program application call is intercepted in order to get information of what is needed to edit/modify the graphical user interface to serve the needs of the client. See Paragraphs 12-13)**; and facilitating presentation of a modified user interface that has been modified to include content necessitated **(i.e., the modified graphical user interface is displayed. See Paragraphs 12-13)**.

Having the system of Roth'152 and then given the well-established teaching of the Chien'021, it would have been obvious to one having ordinary skill in the art at the time of the invention was made to modify the system as suggested by the combination of Roth'152 with the teachings of Chien'021 of adding user interface modifier that intercept the requesting call of a user interface in order to get information and modify the user interface to contain the needs of the client, in order to improve the system by providing secure and efficient communication between the client and the device and protect the improper tampering at the users machine.

The combination of Roth'152 and Chien'021 (although it refers to any applications where a printer can be found) fail to specify the method where a modified user interface is used to enable a user to control other equipment of the manufacturing system using the user interface.

Housel'003 teaches a method where a modified user interface is used to enable a user to control other equipment of the manufacturing system using the user interface **(i.e., the user interface can be used to control more than one printer, scanners, stapling equipment and others. See Paragraphs 2-6 and 15)**.

Having the system of Roth'152 and Chien'021 and then given the well-established teaching of the Housel'003, it would have been obvious to one having ordinary skill in the art at the time of the invention was made to modify the system as suggested by the combination of Roth'152 and Chien'021 with the teachings of Housel'003 by having the user interface being able to be used for controlling other equipment, in order to make the system more efficient and user friendly.

Regarding **Claim 2**, the combination of Roth'152, Chien'021 and Housel'003 shows a method wherein intercepting a call comprises intercepting a call to a printer user interface module **(i.e., the call intercepted is made by any application requesting a graphical user interface ((an application can be a printer job application)). See Paragraphs 12 in reference Chien'021)**.

Regarding **Claim 3**, the combination of Roth'152, Chien'021 and Housel'003 shows a method wherein collecting data comprises calling a manufacturer control system **(i.e., the data collected can be from a manufacturer control system application ((an application part of a manufacturer control system)). See Paragraphs 12 in reference Chien'021)**.

Regarding **Claim 5**, the combination of Roth'152, Chien'021 and Housel'003 shows a method wherein calling the manufacturer control system comprises providing a

set of functions to the manufacturer control system that the control system can use to define features that are to be added to the standard user interface **(i.e., the data collected can be from a manufacturer control system application. See Paragraphs 12 in reference Chien'021)**.

Regarding **Claim 6**, the combination of Roth'152, Chien'021 and Housel'003 shows a method wherein facilitating presentation of a modified user interface comprises receiving data that identifies at least one of data and code that is pertinent to supporting features **(i.e., for intercepting the call and modifying the user interface codes are needed to include the features to be added. See Paragraphs 141, 154 and 257 in reference Chien'021)**.

Regarding **Claim 7**, the combination of Roth'152, Chien'021 and Housel'003 shows a method wherein facilitating presentation of a modified user interface comprises providing the received data to a printer user interface module **(i.e., the application can be a printer application. See Paragraphs 12 in reference Chien'021)**.

Regarding **Claim 8**, the combination of Roth'152, Chien'021 and Housel'003 shows a method wherein providing the received data comprises calling the printer user interface module to provide a set of functions to the printer user interface module that identify at least one of data and code that can be used to present features in the modified user interface to the user **(i.e., See Paragraphs 12 in reference Chien'021)**.

Regarding **Claim 9**, the combination of Roth'152, Chien'021 and Housel'003 shows a method wherein facilitating presentation of a modified user interface further comprises modifying the standard user interface by adding control features to the

standard user interface that enable the user to control the print mechanism in a specialized manner, or modifying the appearance of the standard user interface **(i.e., for intercepting the call and modifying the user interface codes are needed to include the features to be added. See Paragraphs 12, 141, 154 and 257 in reference Chien'021)**.

Regarding **Claim 10,** the combination of Roth'152, Chien'021 and Housel'003 shows a method further comprising receiving a selection entered by a user with the modified user interface and controlling the other equipment relative to the entered selection **(i.e., other equipment other than a single printer can be operated with the user interface like a scanner or stapler. See Paragraphs 2-8 in reference Housel'003)**.

With regards to method **Claim 20**, the limitation of the claim 20 are corrected by limitation of claim 1 above. The steps of claim 20 read into the function step of claim 1.

With regards to method **Claim 21**, the limitation of the claim 21 are corrected by limitation of claim 5 above. The steps of claim 21 read into the function step of claim 5.

With regards to method **Claim 22**, the limitation of the claim 22 are corrected by limitation of claim 6 above. The steps of claim 22 read into the function step of claim 6.

With regards to method **Claim 23**, the limitation of the claim 23 are corrected by limitation of claim 8 above. The steps of claim 23 read into the function step of claim 8.

With regards to method **Claim 24**, the limitation of the claim 24 are corrected by limitation of claim 6 above. The steps of claim 24 read into the function step of claim 6.

With regards to method **Claim 25**, the limitation of the claim 25 are corrected by limitation of claim 9 above. The steps of claim 25 read into the function step of claim 9.

With regards to method **Claim 26**, the limitation of the claim 26 are corrected by limitation of claim 10 above. The steps of claim 26 read into the function step of claim 10.

With regards to method **Claim 27**, the limitation of the claim 27 are corrected by limitation of claim 1 above. The steps of claim 27 read into the function step of claim 1.

With regards to method **Claim 28**, the limitation of the claim 28 are corrected by limitation of claim 5 above. The steps of claim 28 read into the function step of claim 5.

With regards to method **Claim 29**, the limitation of the claim 29 are corrected by limitation of claim 6 above. The steps of claim 29 read into the function step of claim 6.

With regards to method **Claim 30**, the limitation of the claim 30 are corrected by limitation of claim 8 above. The steps of claim 30 read into the function step of claim 8.

With regards to method **Claim 31**, the limitation of the claim 31 are corrected by limitation of claim 6 above. The steps of claim 31 read into the function step of claim 6.

Regarding **Claim 35**, the combination of Roth'152, Chien'021 and Housel'003 shows a method wherein the content comprises an additional interface page specific to the equipment **(i.e., See Paragraphs 2-8 in reference Housel'003)**.

Regarding **Claim 36**, the combination of Roth'152, Chien'021 and Housel'003 shows a method wherein the other equipment comprises a separate lamination machine **(i.e., it could be part of the page production process page features of a manufacturer. See Paragraphs 2-8 in reference Housel'003)**.

Regarding **Claim 36**, the combination of Roth'152, Chien'021 and Housel'003

shows a method wherein the manufacturing system is configured to produce compact

discs, digital video disc, or identification cards **(i.e., it could be part of the page**

production process page features of a manufacturer. See Paragraphs 2-8 in

reference Housel'003).

Conclusion

5.   Applicant's amendment necessitated the new ground(s) of rejection presented in

this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37

CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within

TWO MONTHS of the mailing date of this final action and the advisory action is not

mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later

than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to IRIANA CRUZ whose telephone number is (571)270-

3246. The examiner can normally be reached on Monday-Friday 7:30am to 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, King Y. Poon can be reached on (571) 272-7440. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/King Y. Poon/   Iriana Cruz
Supervisory Patent Examiner, Art Unit 2625   Examiner
                                                  Art Unit 2625

June 6, 2008

/I. C./
Examiner, Art Unit 2625